

**Annual Tabulations  
of the  
Model Reporting Area  
for  
Blindness Statistics**

**1963  
STATISTICAL  
REPORT**

U.S. Department of  
Health, Education, and Welfare  
Public Health Service

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1963



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# *1963 Statistical Report*

## **ANNUAL TABULATIONS OF THE MODEL REPORTING AREA FOR BLINDNESS STATISTICS**

Biometrics Branch  
National Institute of  
Neurological Diseases and Blindness  
June 1965

U.S. Department of  
HEALTH, EDUCATION, and WELFARE  
PUBLIC HEALTH SERVICE

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## THE MODEL REPORTING AREA FOR BLINDNESS STATISTICS

In 1962 the Biometrics Branch of the National Institute of Neurological Diseases and Blindness, with the counsel and cooperation of the National Society for the Prevention of Blindness, the American Foundation for the Blind, and the Division of Chronic Diseases of the Public Health Service, sponsored the organization of a Model Reporting Area for Blindness Statistics (MRA). This Model Reporting Area is a voluntary association of States which maintain registers of persons with severe vision impairment.

The basis for membership in the MRA is the maintenance of a state-wide register of blind persons by a single State agency and the adherence to a specific set of standards. These standards include the adoption of a uniform definition of blindness, collection of specified information, annual updating of the register to reflect current status, adoption of the Standard Classification of Causes of Severe Vision Impairment and Blindness (prepared by the National Society for the Prevention of Blindness), and preparation of specified summary tabulations or punch cards. In 1963 the Model Reporting Area included the ten States listed below comprising about 15 percent of the total U.S. population.

The term "blindness" as used by the Model Reporting Area for Blindness Statistics includes severe vision impairment and is defined as follows: visual acuity of 20/200 or less in the better eye with best correction or visual acuity of better than 20/200 if the widest diameter of the field of vision subtends an angle no greater than 20 degrees. Individuals with a progressive eye condition which does not yet meet this definition are excluded.

### MODEL REPORTING AREA STATES, 1963

Connecticut	New Jersey
Kansas	North Carolina
Louisiana	Oregon
Massachusetts	Rhode Island
New Hampshire	Vermont

This is the second statistical report of the Model Reporting Area for Blindness Statistics. Further information regarding the Model Reporting Area may be obtained from:

**Chief, Biometrics Branch**  
**National Institute of Neurological Diseases and Blindness**  
**National Institutes of Health, Bethesda, Md. 20014**





## NOTES AND HIGHLIGHTS

### GENERAL NOTES

The 1963 Statistical Report is based on register data for 1963 submitted by each of the ten member States of the Model Reporting Area for Blindness Statistics (MRA). Included in the report are 26 tables arranged as follows:

Table	1	Summary data.
Tables	2-19	Register additions in 1963.
	2-7	All additions.
	8-10	First additions.
	11-19	First additions examined by medical eye specialists— <i>CAUSE OF BLINDNESS</i> .
Tables	20-25	Total on register as of December 31, 1963.
Table	26	Removals from register in 1963.

Population estimates for 1963 used in computing rates were prepared for each State separately by applying the proportion in a given age-sex group (or race-sex group) of the total State population enumerated on April 1, 1960, to the total resident population in the State as estimated by the Census Bureau for July 1, 1963. Population totals were obtained by addition. Rates were not computed for groups with population under 25,000 because errors in estimation may unduly affect small population groups. Also, due to normal variations and reporting artifacts, rates computed for such groups might tend to be misleading.

It should be noted that some of the interstate variation in the rates of additions to the register and in rates for the end-of-year totals may be due to variations in the age and race composition of the respective populations as well as to normal annual fluctuations in these rates. Adjustment of rates by age and race will be made in future reports, where appropriate, after additional data and experience have been obtained from the Model Reporting Area program so that meaningful interpretation may be placed on such rates.

It should be noted that some States carried over into 1963 major revisions and clearances of their registers which were instituted in the previous year. Consequently, some of the data presented in tables 20-26 on end-of-year totals and register removals may reflect the biases of such revisions and clearances.



Data on cause of blindness became available to the MRA for the first time in 1963, the reported cause information in each State being classified according to the 1963 revision of the Standard Classification of Causes of Severe Vision Impairment and Blindness. Note should also be made that the cause-of-blindness data have certain limitations. In a number of MRA States, detailed classification of cause-of-blindness information in 1963 represented their first such venture. Because of this, and despite efforts to achieve uniformity, it is certain that differences in interpretation of classification principles existed, as well as errors in coding. Also, the variation in diagnostic skills among States or localities may account for some of the differences found. Cause of blindness was tabulated only for those additions who were reported for the first time during 1963 and who were examined by physicians specializing in diseases of the eye, namely ophthalmologists and eye-ear-nose-and-throat specialists. The cause-of-blindness tabulations presented in this report are based on major groupings of the Standard Classification as indicated on page 9.

The MRA, as composed in 1963, cannot be considered to represent adequately the United States as a whole. Projecting MRA data directly to the United States is not recommended.

The following symbols are used in the tables:

- Quantity is zero in frequency tables.
- 0 Quantity is zero in rate or percent tables.
- 0.0 Quantity is more than 0 but less than 0.05 in rate or percent tables.
- Rate not computed where estimated population was less than 25,000 or percent with unknown information was 10 or more.

## NOTES AND HIGHLIGHTS TO INDIVIDUAL TABLES

### SUMMARY DATA

**Table 1. Summary table of first additions, readditions, removals, and end-of-year total on register: each MRA State and MRA total, 1963**

There were 4,412 first additions and 84 readditions to the MRA registers in 1963. (Readditions include new reports of blindness on individuals who were previously removed from the register due to recovered vision, migration from the State, etc.) The rate per 100,000 population for all additions to the MRA registers was 15.6. The rates ranged by State from a low of 9.0 per 100,000 in New Jersey to a high of 25.2 in Vermont.

Removals from the register for the MRA during 1963 totaled 3,026. In North Carolina and Vermont there were more removals than additions in 1963. However, as previously mentioned in the General Notes



data on removals during 1963 should not be considered typical since several States were continuing major revisions and clearances of their registers. For example, in Louisiana only a very small number of the actual removals in 1963 were assigned to that year, due to the nature of the comprehensive procedures used for the register revision and clearance.

The total number on the register at the end of 1963 for the 10 MRA States was 43,362, or a rate of 150.7 per 100,000 population. Rates by State ranged from a low of 103 per 100,000 for New Jersey to a high of 210 per 100,000 in North Carolina. Again, end-of-year totals for 1963 may not be typical for all States for reasons mentioned in the General Notes.

Refer to the General Notes regarding the interstate variation in the rates of additions and end-of-year totals.

#### REGISTER ADDITIONS IN 1963

##### *All Additions*

**Table 2. All additions to register by age and sex: MRA total, 1963 (number and rate)**

The rates per 100,000 for additions generally remained low under 45 years of age and increased only slightly with age up to age 45. Thereafter the rates increased markedly with age in each sex. The rates for males were slightly higher than the rates for females for ages 5-64, with the rates for females becoming higher than males thereafter. Overall, the rate for females was slightly higher than for males, 16.7 compared with 14.5. Although the rates among the aged are somewhat higher for females, there do not appear to be any major sex differences in the rates for additions.

**Table 3. All additions to register by sex and race: each MRA State and MRA total, 1963 (number and rate)**

Rates were not computed by race for the MRA total, Massachusetts, and New Jersey, because of the high percentage of unknowns. The rates for white females were generally higher than the corresponding rates for white males. The pattern does not hold for nonwhite males and females in four States for which meaningful rates by race and sex could be computed. In those States for which both white and non-white rates were computed, the rates for nonwhites were considerably higher than the rates for whites, and this race differential was consistent by sex.

**Table 4. All additions to register by age: each MRA State and MRA total, 1963 (number and rate)**

Age-specific rates were not computed for Massachusetts because of the high proportion of unknown age. For each of the remaining MRA

States, the rates generally remained low in the younger age groups and increased rather sharply beginning with age group 45-64. The only exception to the rising pattern after age 45 was Louisiana. The relatively low rates for Louisiana in the age groups 65-74 and 75-84 are believed to be due to underreporting of blind persons aged 65 and over to the register.

**Table 5. All additions to the register by degree of vision: each MRA State and MRA total, 1963 (number and percent)**

Persons reported with vision of exactly 20/200 represented 27.2 percent of the MRA total. However, it should be noted that the generally high proportion of persons reported in the MRA States with exactly this degree of vision probably indicates a lack of precise visual acuity measurement or lack of careful recording by the eye examiner, particularly because this level of acuity is sufficient to distinguish the "legally" blind. No doubt a number of persons so classified have vision bordering on the blindness level, either somewhat less than 20/200 or between 20/100 and 20/200.

Some six percent of all additions were totally blind, and almost seven percent had vision greater than 20/200 but with visual field restricted to 20 degrees or less. For approximately 11 percent of the additions, vision was limited to either light perception or light projection.

The "unknown" degree of vision category includes persons presumed to be blind by definition but who could not be examined adequately because of age or other reason, or for whom there was no report of the actual visual acuity. About one-third of the 5.6 percent in this category for the entire MRA were from Connecticut.

**Table 6. All additions to register by sex, race and degree of vision: MRA total, 1963 (number and percent)**

There appears to be little difference in the percent distribution of degree of vision by race and sex.

**Table 7. All additions to register by age and degree of vision: MRA total, 1963 (number and percent)**

About 40 percent of the age group under 5 had visual acuity of light projection or less. Also, about 40 percent of this age group had "unknown" degree of vision. These high proportions may be due in part to the difficulty of examining the very young, with only the very severe visual impairments being measureable. The largest percentages in the remaining age groups occur in the 20/200 category.

#### *First Additions*

**Table 8. First additions to register by age at onset: each MRA State and MRA total, 1963 (number and percent)**

For the MRA total about 42 percent of the registrants had unknown age at onset of severe vision impairment. The percent of unknown



age at onset ranged from a high of 92.6 percent in Massachusetts to a low of 0.8 percent in North Carolina. In view of the high proportion with unknown age at onset in most States, the distributions by age at onset are of limited value. However, of some interest are the rather large proportions reported to be blind at birth in Louisiana (22.9 percent) and in Rhode Island (23.3 percent).

**Table 9. First additions to register by discipline of examiner: each MRA State and MRA total, 1963 (number and percent)**

The great majority (84 percent) of first additions in the total MRA were known to be examined by ophthalmologists or eye-ear-nose-and-throat specialists, and in 8 of the 10 States this percentage ranged from 87 to 98. In the other two States, Massachusetts and Connecticut, there were relatively high proportions where the discipline of examiner was not specified.

**Table 10. First additions to register by degree of vision and discipline of examiner: MRA total, 1963 (number and percent)**

The percent distributions of first additions according to degree of vision categories appear to be similar for ophthalmologists or eye-ear-nose-and-throat specialists and optometrists. A rather large proportion, almost 28 percent, of the first additions examined by physicians other than eye specialists were totally blind.

*First Additions Examined by Medical Eye Specialists—CAUSE OF BLINDNESS*

**Table 11. First additions to register by major affection groups: each MRA State and MRA total, 1963 (number and percent)**

The affection groups in which blind persons were most frequently classified were "cataract," "glaucoma," "retinal degeneration," and "other retinal affections," accounting for about 70 percent of all affections. An additional 11.6 percent were due to a miscellaneous group of "other affections." Among States there was considerable variation by type of affection probably due largely to the reasons indicated in the General Notes. Retrolental fibroplasia was reported for one percent of all first additions examined by eye specialists.

**Table 12. First additions to register by sex, race and major affection groups: MRA total, 1963 (number and percent)**

There appear to be no major differences between the sexes according to major affection groups. A comparison of the races, however, shows marked differences for two major affections. These were glaucoma, where about 11 percent of the whites and 27 percent of the nonwhites had this affection, and retinal degeneration, where 17 percent of the whites and 5 percent of the nonwhites were affected. To what extent variations in age distributions in the races account for these differences is unknown.

**Table 13. First additions to register by age and major affections groups: MRA total, 1963 (number and percent)**

In general, higher proportions of glaucoma, cataract, and retinal degeneration affections were reported among those in the older age groups, than in the younger ages. The percent with optic nerve atrophy was fairly high in the under 45 age group and much lower for the older age groups. The 30 cases of retrolental fibroplasia reported among persons 5 years of age or older probably represent delayed reporting of blindness since this affection is known to appear shortly after birth.

**Table 14. First additions to register by degree of vision and major affection groups: MRA total, 1963 (number and percent)**

Except for retrolental fibroplasia and glaucoma, the 20/200 visual acuity category accounted for the largest proportion of each of the major affection groups. (See comments with reference to table 5.) In retrolental fibroplasia 42 percent of the persons had absolute blindness and 19 percent had only light perception. About 26 percent of persons with glaucoma had visual acuity better than 20/200 but with visual field restricted to 20 degrees or less. This is perhaps to be expected since a contracted field is usually found in advanced glaucoma.

**Table 15. First additions to register by major etiology groups: each MRA State and MRA total, 1963 (number and percent)**

The etiology category "other general diseases" accounted for 23 percent of the first additions reported by medical eye specialists, ranging from a low of 5 percent in Massachusetts to 51 percent in Kansas. There was also considerable interstate variation in the groups "diabetes," "unknown to science," and "not reported or determined." (See General Notes for comment on interstate variation by cause of blindness.) The percent of reported blindness due to diabetes, about 11 percent for the MRA as a whole, varied from a low of 4 percent in Oregon to a high of 24 percent in Rhode Island. In about 17 percent of the additions for the total MRA the etiology was "unknown to science" and in another 24 percent the etiology was "not reported or determined."

**Table 16. First additions to register by sex, race and major etiology groups: MRA total 1963 (number and percent)**

The percent of males whose etiology was "injuries and poisonings" was somewhat higher than the corresponding percent among females for each race group. The difference was more marked for the non-whites. A similar pattern was obtained for the "prenatal influence" category. The percent of females with an etiology of "diabetes" was higher than the corresponding percent for males, particularly



among the nonwhites. The difference may be due, in part, to higher morbidity from diabetes for females in the general population.

**Table 17. First additions to register by age and major etiology groups: MRA total, 1963 (number and percent)**

Under 45 years of age the largest proportion of blindness was due to prenatal influence. From ages 5 through 44 years injuries and poisonings accounted for a fairly large proportion of reported blindness. At age 45 years and thereafter the three largest etiology groups were "unknown to science," "other general diseases," which includes senile degeneration, and "not reported or determined." Diabetes was of particular etiological significance in the age groups from 20 through 74 years.

**Table 18. First additions to register by degree of vision and major etiology groups: MRA total, 1963 (number and percent)**

In the etiology groups "injuries and poisonings" and "neoplasms" over one-fourth of the persons were reported as totally blind. In the remaining etiology groups, the largest percents were generally in the 20/200 category. (See comments with reference to table 5.)

**Table 19. First additions to register by major affection groups and major etiology groups: MRA total, 1963 (number and percent)**

The three most frequent diagnoses were cataracts—other general diseases; other retinal affections—diabetes; and glaucoma—unknown to science. These three groupings were principally senile cataract, diabetic retinopathy, and primary glaucoma.

#### TOTAL ON REGISTER AS OF DECEMBER 31, 1963

**Table 20. Total on register by age and sex: MRA total, as of December 31, 1963 (number and rate)**

For all ages combined the rates for males and females were very similar. The lowest rates for both sexes were for the under 5-year age group, increasing sharply thereafter with age. The age-specific rates for males were somewhat higher than those for females up through age 74, after which the rates for females were higher.

**Table 21. Total on register by sex and race: each MRA State and MRA total, as of December 31, 1963 (number and rate)**

Rates by race were not computed for the MRA total or for Massachusetts because of the high proportion of unknowns. In five of the six States which had sufficiently large nonwhite populations to permit meaningful rates to be computed, the rates for nonwhites were appreciably higher than those for whites. In the State of Oregon, which has a relatively small nonwhite population, the rate for whites was slightly higher than that for nonwhites. Although there was

some variation among the States, the magnitude of the rates for males and females was generally similar.

**Table 22. Total on register by age: each MRA State and MRA total, as of December 31, 1963 (number and rate)**

For each MRA State, the rates generally increased with increasing age.

**Table 23. Total on register by degree of vision: each MRA State and MRA total, as of December 31, 1963 (number and percent)**

The 5110 persons classified in the group "light perception" probably include some who should have been in the "light projection" group, since the distinction between light perception and light projection generally was not emphasized by MRA States prior to 1962.

Persons presumed blind but who could not be examined adequately or for whom there was no report of actual visual acuity (i.e. the "unknown" category), accounted for about 9 percent of the MRA total registrants at the end of 1963. By State, the percents ranged from 0 percent in Oregon to high of approximately 28 percent in Connecticut.

With few exceptions, the 20/200 category was the largest for each State. (See comments with reference to table 5.) Some 12 percent of all registrants were totally blind and 6 percent had better than 20/200 visual acuity but with visual field restricted to 20 degrees or less.

**Table 24. Total on register by sex, race and degree of vision: MRA total, as of December 31, 1963 (number and percent)**

There was no appreciable sex difference in the percent distribution by degree of vision. Nonwhites appeared to have somewhat higher proportions than whites in the more severe visual loss groups.

**Table 25. Total on register by age and degree of vision: MRA total, as of December 31, 1963 (number and percent)**

The pattern in this table is generally similar to that of table 7. About 45 percent of all registered persons under 5 years of age had vision limited to light projection or less. The percent of the blind with "unknown" degree of vision was relatively high in the younger age groups as well as those 85 years or over probably indicative of the difficulty in examining persons in these age groups.

#### REMOVALS FROM REGISTER IN 1963

**Table 26. Removals from register by reason for removal: each MRA State and MRA total, 1963 (number and percent)**

Death generally accounted for more than half of the removals. However, as stated in the General Notes, removal data for 1963 should not be considered typical for all States, and this may account for some of the interstate variation according to reason for removal.



# STANDARD CLASSIFICATION OF CAUSES OF SEVERE VISION IMPAIRMENT AND BLINDNESS, 1963 REVISION\*

*(Abbreviated List)*

## MAJOR AFFECTATION GROUPS

Glaucoma (other than congenital)  
Myopia  
Keratitis (all types, including keratoconjunctivitis and pannus)  
Cataract  
Uveitis (including iritis, iridocyclitis, choroiditis, chorioretinitis and sympathetic ophthalmia)  
Retinal degeneration (including retinitis pigmentosa, macular degeneration and other retinal degeneration)  
Other retinal affections (including retinitis, retinopathy, affection of retinal vessels, coloboma of retina and detachment of retina)  
Optic nerve atrophy (including optic neuritis and retrobulbar neuritis)  
Unknown (including site and type of affection not established on examination and no report on site and type of affection)  
Other (including all other conditions not specified above)

## MAJOR ETIOLOGY GROUPS

Infectious diseases (all types including prenatal infection)  
Injuries, poisonings  
Neoplasms  
Diabetes mellitus  
Vascular diseases (including cerebrovascular, cardiac, or other vascular conditions)  
Other general diseases (including anemia or other blood disease, senile degeneration, nutritional deficiency, other metabolic or growth disorder, renal disease other than complicating pregnancy, multiple sclerosis, other demyelinating disease, cerebral palsy, other disorders of nervous system, hysteria or other disturbance of psychic control, complication of pregnancy, sarcoidosis, inflammatory noninfectious disease, and other specified disease or disorder not elsewhere classified)  
Prenatal influence (not elsewhere classified, including that of hereditary or congenital origin)  
Unknown to science  
Not reported or determined (including etiology not established on examination and no report on etiology)

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\*Prepared by the Committee on Operational Research, National Society for the Prevention of Blindness.

**TABLE 1. Summary table of first additions, readditions, removals, and end-of-year total on register: each MRA State and MRA total, 1963**

State	Estimated midyear population in thousands <sup>1</sup>	Number during year			Total on register at end of year	Rate per 100,000 population	
		First additions	Re- addi- tions	Removals		All addi- tions during year	Total on register at end of year
MRA total .....	28, 777	4, 412	84	3, 026	43, 362	15. 6	150. 7
Connecticut .....	2, 715	340	6	145	3, 346	12. 7	123. 2
Kansas .....	2, 217	378	21	317	3, 158	18. 0	142. 4
Louisiana .....	3, 415	433	—	65	5, 673	12. 7	166. 1
Massachusetts .....	5, 296	984	17	604	9, 435	18. 9	178. 2
New Hampshire .....	644	133	—	67	1, 128	20. 7	175. 2
New Jersey .....	6, 554	589	4	310	6, 773	9. 0	103. 3
North Carolina .....	4, 787	1, 074	29	1, 154	10, 057	23. 0	210. 1
Oregon .....	1, 852	269	—	120	2, 088	14. 5	112. 7
Rhode Island .....	892	116	1	85	1, 034	13. 1	115. 9
Vermont .....	405	96	6	159	670	25. 2	165. 4

<sup>1</sup> Source of population estimates: Bureau of the Census, Current Population Reports, Series P-25, No. 289, August 31, 1964. The figures include persons in the Armed Forces stationed in each State and exclude Armed Forces overseas.



**TABLE 2. All additions to register by age and sex: MRA total, 1963  
(number and rate)**

Age	Number			Rate per 100,000		
	Total	Male	Female	Total	Male	Female
Total, all ages-----	<sup>1</sup> 4, 496	2, 044	2, 449	<sup>1</sup> 15. 6	14. 5	16. 7
Under 5-----	111	56	55	3. 5	3. 4	3. 5
5-19-----	369	213	156	4. 7	5. 4	4. 1
20-44-----	458	279	179	4. 9	6. 2	3. 8
45-64-----	1, 125	584	541	19. 2	20. 6	17. 9
65-74-----	<sup>2</sup> 765	294	470	<sup>2</sup> 43. 0	36. 4	48. 3
75-84-----	915	340	575	122. 7	108. 6	132. 8
85 and over-----	423	139	284	271. 2	239. 7	289. 8
Unknown-----	<sup>3</sup> 330	139	189			

<sup>1</sup> Includes 3 persons with sex not stated.

<sup>2</sup> Includes 1 person with sex not stated.

<sup>3</sup> Includes 2 persons with sex not stated.

TABLE 3. All additions to register by sex and race: each MRA State and MRA total, 1963 (number and rate)

State	Total			White			Nonwhite			Unknown			
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	
Number													
MRA total.....	14,496	2,044	2,449	2,588	1,196	1,392	822	384	438	11,086	464	619	
Connecticut.....	346	159	187	301	139	162	34	18	16	11	2	9	
Kansas.....	399	170	229	340	141	199	22	10	12	37	19	18	
Louisiana.....	433	218	215	240	115	125	193	103	90	--	--	--	
Massachusetts.....	1,001	415	586	105	47	58	16	5	11	880	363	517	
New Hampshire.....	133	59	74	133	59	74	--	--	--	--	--	--	
New Jersey.....	1,593	306	284	346	178	168	97	51	46	1,150	77	70	
North Carolina.....	1,103	500	603	657	310	347	446	190	256	--	--	--	
Oregon.....	269	128	141	256	121	135	8	5	3	5	2	3	
Rhode Island.....	117	60	57	108	57	51	6	2	4	3	1	2	
Vermont.....	102	29	73	102	29	73	--	--	--	--	--	--	



MRA total-----	Rate per 100,000 estimated population									
	15.6	14.5	16.7	--	--	--	--	--	--	--
Connecticut-----	12.7	11.9	13.5	11.6	10.9	12.3	28.6	31.0	26.2	
Kansas-----	18.0	15.5	20.5	16.1	13.4	18.7	21.6	19.6	23.5	
Louisiana-----	12.7	13.1	12.3	10.3	10.1	10.6	17.6	19.6	15.8	
Massachusetts-----	18.9	16.2	21.4	--	--	--	--	--	--	
New Hampshire-----	20.7	18.7	22.6	20.7	18.7	22.7	--	--	--	
New Jersey-----	19.0	9.5	8.5	--	--	--	--	--	--	
North Carolina-----	23.0	21.2	24.9	18.4	17.5	19.3	36.7	32.1	41.0	
Oregon-----	14.5	13.9	15.1	14.1	13.4	14.8	21.1	--	--	
Rhode Island-----	13.1	13.7	12.6	12.4	13.3	11.5	--	--	--	
Vermont-----	25.2	14.6	35.4	25.2	14.6	35.6	--	--	--	

<sup>1</sup> Includes 3 persons with sex not stated.

TABLE 4. All additions to register by age: each MRA State and MRA total, 1963 (number and rate)

State	Total, all ages	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
Number									
MRA total.....	4, 496	111	369	458	1, 125	765	915	423	330
Connecticut.....	346	5	41	37	79	56	81	46	1
Kansas.....	399	4	27	38	75	59	120	47	29
Louisiana.....	433	10	54	65	220	30	25	12	17
Massachusetts.....	1, 001	25	59	53	185	201	198	92	188
New Hampshire.....	133	4	15	6	29	18	33	19	9
New Jersey.....	593	25	56	81	151	84	75	45	76
North Carolina.....	1, 103	31	79	114	271	226	283	97	2
Oregon.....	269	3	27	30	58	48	57	40	6
Rhode Island.....	117	3	6	30	37	18	17	5	1
Vermont.....	102	1	5	4	20	25	26	20	1



Rate per 100,000 estimated population

MRA total	15.6	3.5	4.7	4.9	19.2	43.0	122.7	271.2
Connecticut	12.7	1.7	6.0	4.1	13.8	32.0	115.7	--
Kansas	18.0	1.6	4.5	5.5	17.1	38.6	160.0	--
Louisiana	12.7	2.3	5.2	6.1	35.4	17.8	35.7	--
Massachusetts	18.9	--	--	--	--	--	--	--
New Hampshire	20.7	5.7	8.8	3.0	21.5	39.1	--	--
New Jersey	9.0	3.6	3.4	3.7	10.6	20.1	47.5	145.2
North Carolina	23.0	5.6	5.4	7.2	32.0	102.3	318.0	--
Oregon	14.5	1.5	5.3	5.3	14.8	38.1	101.8	--
Rhode Island	13.1	3.2	2.7	10.3	19.4	29.5	65.4	--
Vermont	25.2	2.2	4.3	3.4	24.7	89.3	--	--





## Percent

	100.0	6.3	9.8	1.1	15.9	10.0	17.4	27.2	6.8	5.6
MRA total-----	100.0									
Connecticut-----	100.0	6.6	7.2	1.7	11.8	8.7	8.1	26.9	5.2	23.7
Kansas-----	100.0	5.0	12.8	2.3	12.5	12.0	16.3	27.6	4.5	7.0
Louisiana-----	100.0	7.4	8.5	.5	16.2	5.3	17.3	26.8	15.0	3.0
Massachusetts-----	100.0	6.1	9.2	1.0	15.6	13.1	22.7	22.3	6.1	4.0
New Hampshire-----	100.0	4.5	10.5	.8	18.0	6.0	16.5	29.3	10.5	3.8
New Jersey-----	100.0	8.8	12.5	.8	15.7	9.6	14.3	27.5	6.2	4.6
North Carolina-----	100.0	4.6	7.4	1.1	19.0	8.3	18.6	33.5	4.3	3.3
Oregon-----	100.0	8.2	13.0	.4	12.6	13.0	18.6	25.7	8.6	0
Rhode Island-----	100.0	8.5	13.7	.9	17.9	13.7	6.0	17.9	11.1	10.3
Vermont-----	100.0	5.9	14.7	2.0	15.7	8.8	19.6	18.6	7.8	6.9



## Percent

Total-----	100.0	6.3	9.8	1.1	15.9	10.0	17.4	27.2	6.8	5.6
Male-----	100.0	7.2	9.3	1.2	15.0	8.9	16.4	28.1	8.5	5.4
Female-----	100.0	5.6	10.2	1.0	16.6	10.9	18.3	26.4	5.3	5.7
White-----	100.0	5.4	10.2	1.3	15.2	9.8	16.2	29.3	6.3	6.3
Male-----	100.0	5.9	10.4	1.6	14.7	9.3	15.1	29.7	7.6	5.8
Female-----	100.0	5.0	10.1	1.1	15.7	10.2	17.2	29.0	5.1	6.7
Nonwhite-----	100.0	8.6	9.4	.9	19.5	7.4	14.6	26.9	9.9	2.9
Male-----	100.0	10.9	8.3	.8	18.2	6.3	12.8	27.9	12.0	2.9
Female-----	100.0	6.6	10.3	.9	20.5	8.4	16.2	26.0	8.0	3.0

<sup>1</sup> Includes 3 persons with sex not stated.<sup>2</sup> Includes 1 person with sex not stated.



TABLE 7. All additions to register by age and degree of vision: MRA total, 1963 (number and percent)

Age	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 but less than 10/200	10/200 but less than 20/200	20/200	Field restriction	Unknown
Number										
Total, all ages-----	4, 496	283	441	49	715	448	784	1, 222	304	250
Under 5-----	111	25	18	2	5	2	9	6	—	44
5-19-----	369	41	27	3	33	22	68	133	12	30
20-44-----	458	33	50	4	70	38	66	133	45	19
45-64-----	1, 125	61	93	9	208	112	185	299	126	32
65-74-----	765	31	87	3	127	87	129	227	51	23
75-84-----	915	52	87	10	150	103	172	250	39	52
85 and over-----	423	24	51	15	70	52	78	91	12	30
Unknown-----	330	16	28	3	52	32	77	83	19	20

	Percent									
	100.0	6.3	9.8	1.1	15.9	10.0	17.4	27.2	6.8	5.6
Total, all ages-----	100.0									
Under 5-----	100.0	22.5	16.2	1.8	4.5	1.8	8.1	5.4	0	39.6
5-19-----	100.0	11.1	7.3	.8	8.9	6.0	18.4	36.0	3.3	8.1
20-44-----	100.0	7.2	10.9	.9	15.3	8.3	14.4	29.0	9.8	4.1
45-64-----	100.0	5.4	8.3	.8	18.5	10.0	16.4	26.6	11.2	2.8
65-74-----	100.0	4.1	11.4	.4	16.6	11.4	16.9	29.7	6.7	3.0
75-84-----	100.0	5.7	9.5	1.1	16.4	11.3	18.8	27.3	4.3	5.7
85 and over-----	100.0	5.7	12.1	3.5	16.5	12.3	18.4	21.5	2.8	7.1





## Percent

MRA total-----	100.0	7.9	1.3	1.8	7.0	16.2	11.1	10.2	2.6	41.8
Connecticut-----	100.0	10.3	3.2	2.1	7.6	17.1	11.8	11.2	1.8	35.0
Kansas-----	100.0	4.0	.8	1.3	6.3	12.4	13.8	18.0	3.7	39.7
Louisiana-----	100.0	22.9	2.3	1.8	12.2	32.3	5.3	3.9	.9	18.2
Massachusetts-----	100.0	.4	.1	.2	.8	2.3	2.4	.5	.6	92.6
New Hampshire-----	100.0	6.0	3.8	.8	1.5	11.3	6.0	9.8	2.3	58.6
New Jersey-----	100.0	8.1	1.2	1.7	7.6	17.7	9.3	8.7	3.1	42.6
North Carolina-----	100.0	8.2	.7	3.4	11.5	25.4	23.8	21.1	4.9	.8
Oregon-----	100.0	5.9	.7	1.9	1.9	4.1	1.9	1.5	.4	81.8
Rhode Island-----	100.0	23.3	7.8	3.4	15.5	19.8	7.8	4.3	.9	17.2
Vermont-----	100.0	7.3	1.0	3.1	4.2	21.9	19.8	25.0	9.4	8.3

**TABLE 9. First additions to register by discipline of examiner: each MRA State and MRA total, 1963 (number and percent)**

State	Total	Ophthal- mologist or EENT	Other M.D.	Optome- trist	Other	Unknown
Number						
MRA total-----	4, 412	3, 720	86	154	16	436
Connecticut-----	340	250	11	8	3	68
Kansas-----	378	335	13	19	1	10
Louisiana-----	433	409	5	17	2	—
Massachusetts-----	984	555	19	56	—	354
New Hampshire-----	133	115	2	16	—	—
New Jersey-----	589	578	2	2	7	—
North Carolina-----	1, 074	1, 020	19	31	—	4
Oregon-----	269	259	8	1	1	—
Rhode Island-----	116	113	3	—	—	—
Vermont-----	96	86	4	4	2	—
Percent						
MRA total-----	100. 0	84. 3	1. 9	3. 5	0. 4	9. 9
Connecticut-----	100. 0	73. 5	3. 2	2. 4	. 9	20. 0
Kansas-----	100. 0	88. 6	3. 4	5. 0	. 3	2. 6
Louisiana-----	100. 0	94. 5	1. 2	3. 9	. 5	0
Massachusetts-----	100. 0	56. 4	1. 9	5. 7	0	36. 0
New Hampshire-----	100. 0	86. 5	1. 5	12. 0	0	0
New Jersey-----	100. 0	98. 1	. 3	. 3	1. 2	0
North Carolina-----	100. 0	95. 0	1. 8	2. 9	0	. 4
Oregon-----	100. 0	96. 3	3. 0	. 4	. 4	0
Rhode Island-----	100. 0	97. 4	2. 6	0	0	0
Vermont-----	100. 0	89. 6	4. 2	4. 2	2. 1	0

**TABLE 10. First additions to register by degree of vision and discipline of examiner: MRA total, 1963 (number and percent)**

Degree of vision	Total	Ophthalmologist or EENT	Other M.D.	Optometrist	Other	Unknown
Number						
Total-----	4, 412	3, 720	86	154	16	436
Absolute blindness--	270	204	24	11	3	28
Light perception----	435	365	11	24	1	34
Light projection----	49	47	1	—	—	1
Less than 5/200----	703	617	9	22	2	53
5/200 but less than 10/200-----	444	370	8	14	—	52
10/200 but less than 20/200-----	769	634	10	39	1	85
20/200-----	1, 194	1, 085	6	33	—	70
Restricted field----	300	266	3	5	1	25
Unknown-----	248	132	14	6	8	88
Percent						
Total-----	100. 0	100. 0	100. 0	100. 0	100. 0	100 0
Absolute blindness--	6. 1	5. 5	27. 9	7. 1	--	6. 4
Light perception----	9. 9	9. 8	12. 8	15. 6	--	7. 8
Light projection----	1. 1	1. 3	1. 2	0	--	. 2
Less than 5/200----	15. 9	16. 6	10. 5	14. 3	--	12. 2
5/200 but less than 10/200-----	10. 1	9. 9	9. 3	9. 1	--	11. 9
10/200 but less than 20/200-----	17. 4	17. 0	11. 6	25. 3	--	19. 5
20/200-----	27. 1	29. 2	7. 0	21. 4	--	16. 1
Restricted field----	6. 8	7. 2	3. 5	3. 2	--	5. 7
Unknown-----	5. 6	3. 5	16. 3	3. 9	--	20. 2



TABLE 11. First additions <sup>1</sup> to register by major affection groups: each MRA State and MRA total, 1963  
(number and percent)

State	Major affection groups (and rubrics) <sup>2</sup>											
	Total	Glaucoma 110	Myopia 140	Keratitis 310-319	Cataract 410	Uveitis 510, 520, 570	Retinal degen- eration 650, 660, 670	Retrolental fibroplasia 630	Other retinal affections 610-625, 640, 660	Optic nerve atrophy 710, 720	Un- known 980, 990	Other resid- ual
MRA total-----	3, 720	564	86	49	941	113	537	36	546	222	196	430
Connecticut-----	250	23	7	6	37	5	37	5	67	12	21	30
Kansas-----	335	46	1	4	113	2	48	3	54	19	23	22
Louisiana-----	409	97	17	2	64	22	56	4	49	35	7	56
Massachusetts-----	555	102	11	10	69	23	108	1	120	28	39	44
New Hampshire-----	115	16	3	2	30	4	25	1	13	5	3	13
New Jersey-----	578	95	14	10	124	16	65	14	94	39	39	68
North Carolina-----	1, 020	131	19	8	419	31	95	2	75	54	45	141
Oregon-----	259	40	6	6	41	5	66	3	30	18	12	32
Rhode Island-----	113	8	6	—	13	4	17	2	32	8	5	18
Vermont-----	86	6	2	1	31	1	20	1	12	4	2	6

## Percent

MRA total-----	100.0	15.2	2.3	1.3	25.3	3.0	14.4	1.0	14.7	6.0	5.3	11.6
Connecticut-----	100.0	9.2	2.8	2.4	14.8	2.0	14.8	2.0	26.8	4.8	8.4	12.0
Kansas-----	100.0	13.7	.3	1.2	33.7	.6	14.3	.9	16.1	5.7	6.9	6.6
Louisiana-----	100.0	23.7	4.2	.5	15.6	5.4	13.7	1.0	12.0	8.6	1.7	13.7
Massachusetts-----	100.0	18.4	2.0	1.8	12.4	4.1	19.5	.2	21.6	5.0	7.0	7.9
New Hampshire-----	100.0	13.9	2.6	1.7	26.1	3.5	21.7	.9	11.3	4.3	2.6	11.3
New Jersey-----	100.0	16.4	2.4	1.7	21.5	2.8	11.2	2.4	16.3	6.7	6.7	11.8
North Carolina-----	100.0	12.8	1.9	.8	41.1	3.0	9.3	.2	7.4	5.3	4.4	13.8
Oregon-----	100.0	15.4	2.3	2.3	15.8	1.9	25.5	1.2	11.6	6.9	4.6	12.4
Rhode Island-----	100.0	7.1	5.3	0	11.5	3.5	15.0	1.8	28.3	7.1	4.4	15.9
Vermont-----	100.0	7.0	2.3	1.2	36.0	1.2	23.3	1.2	14.0	4.7	2.3	7.0

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1983 Revision.

TABLE 12. First additions <sup>1</sup> to register by sex, race and major affection groups: MRA total, 1963  
(number and percent)

Sex and race	Major affection groups (and rubrics) <sup>4</sup>											
	Total	Glaucoma 110	Myopia 140	Keratitis 310-319	Cataract 410	Uveitis 510, 520, 570	Retinal degen- eration 650, 660, 670	Retrolental fibroplasia 680	Other retinal affections 610-625, 640, 690	Optic nerve atrophy 710, 720	Un- known 980, 990	Other resid- ual
	Number											
Total-----	2 3, 720	3 564	86	49	3 941	113	537	36	3 546	222	196	430
Male-----	1, 732	268	43	24	397	54	237	18	224	138	102	227
Female-----	1, 985	295	43	25	543	59	300	18	321	84	94	203
White-----	2, 261	256	48	29	659	60	373	17	334	122	114	249
Male-----	1, 066	118	25	13	290	32	171	7	150	71	61	128
Female-----	1, 195	138	23	16	369	28	202	10	184	51	53	121
Nonwhite-----	770	204	23	9	193	25	41	7	78	55	23	112
Male-----	361	100	9	5	72	13	22	5	22	40	11	62
Female-----	409	104	14	4	121	12	19	2	56	15	12	50
Unknown-----	2 689	3 104	15	11	3 89	28	123	12	3 134	45	59	69
Male-----	305	50	9	6	35	9	44	6	52	27	30	37
Female-----	381	53	6	5	53	19	79	6	81	18	29	32



	Percent											
Total-----	<sup>2</sup> 100.0	<sup>3</sup> 15.2	2.3	1.3	<sup>3</sup> 25.3	3.0	14.4	1.0	<sup>3</sup> 14.7	6.0	5.3	11.6
Male-----	100.0	15.5	2.5	1.4	22.9	3.1	13.7	1.0	12.9	8.0	5.9	13.1
Female-----	100.0	14.9	2.2	1.3	27.4	3.0	15.1	.9	16.2	4.2	4.7	10.2
White-----	100.0	11.3	2.1	1.3	29.1	2.7	16.5	.8	14.8	5.4	5.0	11.0
Male-----	100.0	11.1	2.3	1.2	27.2	3.0	16.0	.7	14.1	6.7	5.7	12.0
Female-----	100.0	11.5	1.9	1.3	30.9	2.3	16.9	.8	15.4	4.3	4.4	10.1
Nonwhite-----	100.0	26.5	3.0	1.2	25.1	3.2	5.3	.9	10.1	7.1	3.0	14.5
Male-----	100.0	27.7	2.5	1.4	19.9	3.6	6.1	1.4	6.1	11.1	3.0	17.2
Female-----	100.0	25.4	3.4	1.0	29.6	2.9	4.6	.5	13.7	3.7	2.9	12.2

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Includes 3 persons with sex not stated.

<sup>3</sup> Includes 1 person with sex not stated

<sup>4</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1963 Revision.

TABLE 13. First additions <sup>1</sup> to register by age and major affection groups: MRA total, 1963 (number and percent)

Age	Major affection groups (and rubrics) <sup>2</sup>											
	Total	Glaucoma 110	Myopia 140	Keratitis 310-319	Cataract 410	Uveitis 510, 520, 570	Retinal degen- eration 650, 660, 670	Retrolental fibroplasia 630	Other retinal affections 610-625, 640, 690	Optic nerve atrophy 710, 720	Un- known 980, 990	Other resid- ual
Number												
Total, all ages	3, 720	564	86	49	941	113	537	36	546	222	196	430
Under 5	86	—	1	1	10	1	1	5	6	16	11	34
5-19	308	3	19	1	43	9	30	28	11	38	17	109
20-44	409	20	14	5	46	28	58	2	76	51	31	78
45-64	984	165	29	23	197	37	100	—	213	71	45	104
65-74	640	133	8	5	200	15	74	—	130	15	18	42
75-84	727	149	6	10	289	6	134	—	56	14	29	34
85 and over	315	44	1	—	116	5	98	—	15	7	16	13
Unknown	251	50	8	4	40	12	42	1	39	10	29	16

## Percent

Total, all ages-----	100.0	15.2	2.3	1.3	25.3	3.0	14.4	1.0	14.7	6.0	5.3	11.6
Under 5-----	100.0	0	1.2	1.2	11.6	1.2	1.2	5.8	7.0	18.6	12.8	39.5
5-19-----	100.0	1.0	6.2	.3	14.0	2.9	9.7	9.1	3.6	12.3	5.5	35.4
20-44-----	100.0	4.9	3.4	1.2	11.2	6.8	14.2	.5	18.6	12.5	7.6	19.1
45-64-----	100.0	16.8	2.9	2.3	20.0	3.8	10.2	0	21.6	7.2	4.6	10.6
65-74-----	100.0	20.8	1.3	.8	31.3	2.3	11.6	0	20.3	2.3	2.8	6.6
75-84-----	100.0	20.5	.8	1.4	39.8	.8	18.4	0	7.7	1.9	4.0	4.7
85 and over-----	100.0	14.0	.3	0	36.8	1.6	31.1	0	4.8	2.2	5.1	4.1

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1963 Revision.



**TABLE 14. First additions<sup>1</sup> to register by degree of vision and major affection groups: MRA total, 1963**  
(number and percent)

Degree of vision	Major affection groups (and rubrics) <sup>2</sup>											
	Total	Glaucoma 110	Myopia 140	Keratitis 310-319	Cataract 410	Uveitis 510, 520, 570	Retinal degen- eration 650, 660, 670	Retrolental fibroplasia 630	Other retinal affections 610-625, 640, 690	Optic nerve atrophy 710, 720	Un- known 980, 990	Other residual
Number												
Total-----	3, 720	564	86	49	941	113	537	36	546	222	196	430
Absolute blindness-----	204	40	2	2	16	5	5	15	27	27	27	38
Light perception-----	365	57	3	7	103	5	23	7	68	27	21	44
Light projection-----	47	6	1	—	25	—	5	2	4	2	1	1
Less than 5/200-----	617	80	15	8	176	16	69	2	135	36	30	50
5/200 but less than 10/200--	370	39	9	6	85	15	62	1	82	18	16	37
10/200 but less than 20/200-	634	63	17	7	171	32	140	5	69	38	29	63
20/200-----	1, 085	117	36	17	335	32	168	4	143	43	41	149
Restricted field-----	266	148	3	2	7	5	52	—	10	12	6	21
Unknown-----	132	14	—	—	23	3	13	—	8	19	25	27

## Percent

Total	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0
Absolute blindness	5. 5	7. 1	2. 3	4. 1	1. 7	4. 4	0. 9	41. 7	4. 9	12. 2	13. 8	8. 8
Light perception	9. 8	10. 1	3. 5	14. 3	10. 9	4. 4	4. 3	19. 4	12. 5	12. 2	10. 7	10. 2
Light projection	1. 3	1. 1	1. 2	0	2. 7	0	. 9	5. 6	. 7	. 9	. 5	. 2
Less than 5/200	16. 6	14. 2	17. 4	16. 3	18. 7	14. 2	12. 8	5. 6	24. 7	16. 2	15. 3	11. 6
5/200 but less than 10/200	9. 9	6. 9	10. 5	12. 2	9. 0	13. 3	11. 5	2. 8	15. 0	8. 1	8. 2	8. 6
10/200 but less than 20/200	17. 0	11. 2	19. 8	14. 3	18. 2	28. 3	26. 1	13. 9	12. 6	17. 1	14. 8	14. 7
20/200	29. 2	20. 7	41. 9	34. 7	35. 6	28. 3	31. 3	11. 1	26. 2	19. 4	20. 9	34. 7
Restricted field	7. 2	26. 2	3. 5	4. 1	. 7	4. 4	9. 7	0	1. 8	5. 4	3. 1	4. 9
Unknown	3. 5	2. 5	0	0	2. 4	2. 7	2. 4	0	1. 5	8. 6	12. 8	6. 3

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1963 Revision.

**TABLE 15. First additions<sup>1</sup> to register by major etiology groups: each MRA State and MRA total, 1963  
(number and percent)**

State	Total	Major etiology groups (and rubrics) <sup>2</sup>							Unknown to science 91.00	Not reported or determined 98.00, 99.00
		Infectious diseases 11.00-29.00	Injuries, poisonings 31.01-49.19	Neoplasms 51.00-59.00	Diabetes 62.10	Vascular diseases 64.10, 64.90	Other general diseases 61.00, 62.20-63.00, 65.10-78.00	Prenatal influence 81.00-89.00		
MRA total.....	3, 720	92	146	34	392	200	860	475	613	908
Connecticut.....	250	11	11	2	50	9	47	42	49	29
Kansas.....	335	6	10	2	32	19	171	29	14	52
Louisiana.....	409	17	25	4	34	13	157	95	10	54
Massachusetts.....	555	10	12	6	98	65	28	60	190	86
New Hampshire.....	115	4	3	—	10	10	16	13	45	14
New Jersey.....	578	14	33	6	63	18	55	82	207	100
North Carolina.....	1, 020	16	29	9	61	31	293	87	48	446
Oregon.....	259	8	15	2	11	19	47	37	35	85
Rhode Island.....	113	4	6	3	27	10	10	21	11	21
Vermont.....	86	2	2	—	6	6	36	9	4	21

## Percent

	100.0	2.5	3.9	0.9	10.5	5.4	23.1	12.8	16.5	24.4
MRA total-----	100.0									
Connecticut-----	100.0	4.4	4.4	.8	20.0	3.6	18.8	16.8	19.6	11.6
Kansas-----	100.0	1.8	3.0	.6	9.6	5.7	51.0	8.7	4.2	15.5
Louisiana-----	100.0	4.2	6.1	1.0	8.3	3.2	38.4	23.2	2.4	13.2
Massachusetts-----	100.0	1.8	2.2	1.1	17.7	11.7	5.0	10.8	34.2	15.5
New Hampshire-----	100.0	3.5	2.6	0	8.7	8.7	13.9	11.3	39.1	12.2
New Jersey-----	100.0	2.4	5.7	1.0	10.9	3.1	9.5	14.2	35.8	17.3
North Carolina-----	100.0	1.6	2.8	.9	6.0	3.0	28.7	8.5	4.7	43.7
Oregon-----	100.0	3.1	5.8	.8	4.2	7.3	18.1	14.3	13.5	32.8
Rhode Island-----	100.0	3.5	5.3	2.7	23.9	8.8	8.8	18.6	9.7	18.6
Vermont-----	100.0	2.3	2.3	0	7.0	7.0	41.9	10.5	4.7	24.4

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1993 Revision.



**TABLE 16. First additions <sup>1</sup> to register by sex, race and major etiology groups: MRA total, 1963**  
(number and percent)

Sex and race	Major etiology groups (and rubrics) <sup>2</sup>							Number	Unknown to science 91.00	Prenatal influence 81.00-89.00	Other general diseases 61.00, 62.20-63.00, 65.10-76.00	Not reported or determined 98.00, 99.00
	Total	Infectious diseases 11.00-29.00	Injuries, poisonings 31.01-49.19	Neoplasms 51.00-59.00	Diabetes 62.10	Vascular diseases 64.10, 64.90						
Total-----	<sup>2</sup> 3,720	92	146	34	392	<sup>3</sup> 200	860	475	4 613			908
Male-----	1,732	49	103	19	149	78	363	273	276			422
Female-----	1,985	43	43	15	243	121	497	202	335			486
White-----	2,261	51	75	21	227	107	640	302	310			528
Male-----	1,066	28	51	11	100	43	267	172	143			251
Female-----	1,195	23	24	10	127	64	373	130	167			277
Nonwhite-----	770	27	45	3	65	24	173	91	97			245
Male-----	361	14	33	1	13	11	77	56	43			113
Female-----	409	13	12	2	52	13	96	35	54			132
Unknown-----	<sup>2</sup> 689	14	26	10	100	<sup>3</sup> 69	47	82	4 206			135
Male-----	305	7	19	7	36	24	19	45	90			58
Female-----	381	7	7	3	64	44	28	37	114			77

	Percent									
	<sup>2</sup> 100.0	2.5	3.9	0.9	10.5	<sup>3</sup> 5.4	23.1	12.8	<sup>4</sup> 16.5	24.4
Total-----										
Male-----	100.0	2.8	5.9	1.1	8.6	4.5	21.0	15.8	15.9	24.4
Female-----	100.0	2.2	2.2	.8	12.2	6.1	25.0	10.2	16.9	24.5
White-----	100.0	2.3	3.3	.9	10.0	4.7	28.3	13.4	13.7	23.4
Male-----	100.0	2.6	4.8	1.0	9.4	4.0	25.0	16.1	13.4	23.5
Female-----	100.0	1.9	2.0	.8	10.6	5.4	31.2	10.9	14.0	23.2
Nonwhite-----	100.0	3.5	5.8	.4	8.4	3.1	22.5	11.8	12.6	31.8
Male-----	100.0	3.9	9.1	.3	3.6	3.0	21.3	15.5	11.9	31.3
Female-----	100.0	3.2	2.9	.5	12.7	3.2	23.5	8.6	13.2	32.3

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Includes 3 persons with sex not stated.

<sup>3</sup> Includes 1 person with sex not stated.

<sup>4</sup> Includes 2 persons with sex not stated.

<sup>5</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1963 Revision.

TABLE 17. First additions <sup>1</sup> to register by age and major etiology groups: MRA total, 1963 (number and percent)

Age	Major etiology groups (and rubrics) <sup>2</sup>									
	Total	Infectious diseases 11.00-29.00	Injuries, poisonings 31.01-49.19	Neoplasms 51.00-59.00	Diabetes 62.10	Vascular diseases 64.10, 64.90	Other general diseases 61.00, 62.20-63.00, 65.10-78.00	Prenatal influences 81.00-89.00	Unknown to science 91.00	Not reported or determined 98.00, 99.00
Number										
Total, all ages-----	3, 720	92	146	34	392	200	860	475	613	908
Under 5-----	86	2	6	3	1	1	6	45	5	17
5-19-----	308	8	41	12	—	1	12	165	20	49
20-44-----	409	23	41	6	62	10	26	111	26	104
45-64-----	984	35	41	9	181	39	181	93	143	262
65-74-----	640	8	7	2	94	49	147	23	123	187
75-84-----	727	10	5	—	26	51	297	15	154	169
85 and over-----	315	—	2	1	2	27	157	3	65	58
Unknown-----	251	6	3	1	26	22	34	20	77	62

## Percent

	100.0	2.5	3.9	0.9	10.5	5.4	23.1	12.8	16.5	24.4
Total, all ages-----	100.0									
Under 5-----	100.0	2.3	7.0	3.5	1.2	1.2	7.0	52.3	5.8	19.8
5-19-----	100.0	2.6	13.3	3.9	0	.3	3.9	53.6	6.5	15.9
20-44-----	100.0	5.6	10.0	1.5	15.2	2.4	6.4	27.1	6.4	25.4
45-64-----	100.0	3.6	4.2	.9	18.4	4.0	18.4	9.5	14.5	26.6
65-74-----	100.0	1.3	1.1	.3	14.7	7.7	23.0	3.6	19.2	29.2
75-84-----	100.0	1.4	.7	0	3.6	7.0	40.9	2.1	21.2	23.2
85 and over-----	100.0	0	.6	.3	.6	8.6	49.8	1.0	20.6	18.4

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1983 Revision.



**TABLE 18. First additions<sup>1</sup> to register by degree of vision and major etiology groups: MRA total, 1963**  
(number and percent)

Degree of vision	Total	Major etiology groups (and rubrics) <sup>2</sup>							Unknown to science 91.00	Not reported or determined 98.00, 99.00
		Infectious diseases 11.00-29.00	Injuries, poisonings 31.01-40.19	Neoplasms 51.00-59.00	Diabetes 62.10	Vascular diseases 64.10, 64.90	Other general diseases 61.00, 62.20-63.00, 65.10-78.00	Prenatal influence 81.00-98.00		
		Number								
Total-----	3, 720	92	146	34	392	200	860	475	613	908
Absolute blindness-----	204	10	39	9	17	8	24	24	32	41
Light perception-----	365	9	28	5	51	20	79	39	61	73
Light projection-----	47	—	3	—	6	4	15	3	10	6
Less than 5/200-----	617	11	22	1	95	40	149	52	90	157
5/200 but less than 10/200-----	370	10	8	2	56	25	89	39	63	78
10/200 but less than 20/200-----	634	11	19	7	58	47	169	74	87	162
20/200-----	1, 085	30	19	4	95	44	273	164	169	287
Restricted field-----	266	6	6	3	9	8	41	47	87	59
Unknown-----	132	5	2	3	5	4	21	33	14	45

## Percent

Total.....	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0	100. 0
Absolute blindness.....	5. 5	10. 9	26. 7	26. 5	4. 3	4. 0	2. 8	5. 1	4. 5
Light perception.....	9. 8	9. 8	19. 2	14. 7	13. 0	10. 0	9. 2	8. 2	8. 0
Light projection.....	1. 3	0	2. 1	0	1. 5	2. 0	1. 7	. 6	. 7
Less than 5/200.....	16. 6	12. 0	15. 1	2. 9	24. 2	20. 0	17. 3	10. 9	17. 3
5/200 but less than 10/200.....	9. 9	10. 9	5. 5	5. 9	14. 3	12. 5	10. 3	8. 2	8. 6
10/200 but less than 20/200.....	17. 0	12. 0	13. 0	20. 6	14. 8	23. 5	19. 7	15. 6	17. 8
20/200.....	29. 2	32. 6	13. 0	11. 8	24. 2	22. 0	31. 7	34. 5	31. 6
Restricted field.....	7. 2	6. 5	4. 1	8. 8	2. 3	4. 0	4. 8	9. 9	6. 5
Unknown.....	3. 5	5. 4	1. 4	8. 8	1. 3	2. 0	2. 4	6. 9	5. 0

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Standard Classification of causes of Severe Vision Impairment and Blindness, 1963 Revision.

**TABLE 19. First additions<sup>1</sup> to register by major affection groups and major etiology groups: MRA total, 1963**  
(number and percent)

Major affection groups (and rubrics) <sup>2</sup>		Major etiology groups (and rubrics) <sup>2</sup>								
Total		Infectious diseases 11.00-29.00	Injuries, poisonings 31.01-49.19	Neoplasms 51.00-59.00	Diabetes 62.10	Vascular diseases 64.10, 64.90	Other general diseases 61.00, 62.20-63.00, 65.10-78.00	Pre-natal influence 81.00-89.00	Unknown to science 91.00	Not reported or determined 98.00, 99.00
		Number								
Total		3, 720	146	34	392	200	860	475	613	908
Glaucoma		564	4	1	12	1	127	5	288	126
Myopia		86	—	—	—	1	—	41	40	4
Keratitis		49	2	—	—	—	4	—	3	8
Cataract		941	6	—	24	1	479	63	182	180
Uveitis		113	6	—	1	—	5	5	4	81
Retinal degeneration		537	3	—	1	60	165	145	49	112
Retrolental fibroplasia		36	36	—	—	—	—	—	—	—
Other retinal affection		546	7	10	343	84	15	4	8	72
690										
Optic nerve atrophy		222	15	10	—	14	26	21	15	99
Unknown		196	13	6	5	9	10	8	2	140
Other		430	54	7	6	30	29	183	22	86

	Percent									
	100.0	2.5	3.9	0.9	10.5	5.4	23.1	12.8	16.5	24.4
Total-----										
Glaucoma-----	15.2	0	.1	0.0	.3	0.0	3.4	.1	7.7	3.4
Myopia-----	2.3	0	0	0	0	0.0	0	1.1	1.1	.1
Keratitis-----	1.3	.9	.1	0	0	0	.1	0	.1	.2
Cataract-----	25.3	.2	.2	0	.6	0.0	12.9	1.7	4.9	4.8
Uveitis-----	3.0	.3	.2	0	0.0	0	.1	.1	.1	2.2
Retinal degeneration-----	14.4	.1	.1	0	0.0	1.6	4.4	3.9	1.3	3.0
Retrolental fibroplasia-----	1.0	0	1.0	0	0	0	0	0	0	0
Other retinal affection-----	14.7	.1	.2	.3	9.2	2.3	.4	.1	.2	1.9
690										
Optic nerve atrophy-----	6.0	.6	.4	.3	0	.4	.7	.6	.4	2.7
Unknown-----	5.3	.1	.3	.2	.1	.2	.3	.2	.1	3.8
Other-----	11.6	.3	1.5	.2	.2	.8	.8	4.9	.6	2.3

<sup>1</sup> Includes only those first additions examined by ophthalmologists or eye-ear-nose-throat specialists.

<sup>2</sup> Standard Classification of Causes of Severe Vision Impairment and Blindness, 1983 Revision.



**TABLE 20. Total on register by age and sex: MRA total, as of December 31, 1963 (number and rate)**

Age	Number			Rate per 100,000		
	Total	Male	Female	Total	Male	Female
Total, all ages-----	<sup>1</sup> 43, 362	21, 197	22, 161	<sup>1</sup> 150. 7	150. 3	151. 0
Under 5-----	330	187	143	10. 3	11. 5	9. 1
5-19-----	4, 553	2, 551	2, 002	58. 6	64. 8	52. 3
20-44-----	6, 960	4, 019	2, 941	75. 0	88. 7	62. 0
45-64-----	11, 424	6, 263	5, 161	195. 4	221. 3	171. 1
65-74-----	<sup>2</sup> 7, 406	3, 405	4, 000	<sup>2</sup> 416. 1	421. 9	411. 1
75-84-----	7, 432	3, 007	4, 425	996. 2	960. 7	1, 021. 9
85 and over-----	4, 554	1, 488	3, 066	2, 919. 2	2, 565. 5	3, 128. 6
Unknown-----	<sup>3</sup> 703	277	423			

<sup>1</sup> Includes 4 persons with sex not stated.

<sup>2</sup> Includes 1 person with sex not stated.

<sup>3</sup> Includes 3 persons with sex not stated.

**TABLE 21. Total on register by sex and race: each MRA State and MRA total, as of December 31, 1963  
(number and rate)**

State	Total			White			Nonwhite			Unknown		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
Number												
MRA total-----	143,362	21,197	22,161	28,206	13,962	14,244	8,425	4,239	4,186	16,731	2,996	3,731
Connecticut-----	3,346	1,571	1,775	3,026	1,431	1,595	188	90	98	132	50	82
Kansas-----	3,158	1,488	1,670	2,606	1,202	1,404	276	146	130	276	140	136
Louisiana-----	5,673	3,149	2,524	2,962	1,668	1,294	2,706	1,476	1,230	5	5	—
Massachusetts-----	9,435	4,330	5,105	3,460	1,720	1,740	206	97	109	5,769	2,513	3,256
New Hampshire-----	1,128	539	589	1,128	539	589	—	—	—	—	—	—
New Jersey-----	26,773	3,350	3,420	5,212	2,567	2,645	1,060	517	543	2501	266	232
North Carolina-----	310,057	4,899	5,157	6,145	3,030	3,115	3,910	1,868	2,042	32	1	—
Oregon-----	2,088	1,086	1,002	2,041	1,053	988	40	30	10	7	3	4
Rhode Island-----	1,034	492	542	956	459	497	39	15	24	39	18	21
Vermont-----	670	293	377	670	293	377	—	—	—	—	—	—

**TABLE 21. Total on register by sex and race: each MRA State and MRA total, as of December 31, 1963  
(number and rate)—Continued**

State	Total			White			Nonwhite			Unknown			
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	
Rate per 100,000 estimated population													
MRA total	150.7	150.3	151.0	--	--	--	--	--	--	--	--	--	
Connecticut	123.2	117.9	128.3	116.6	112.3	120.7	158.0	155.2	160.7				
Kansas	142.4	135.3	149.5	123.2	114.5	131.7	270.6	286.3	254.9				
Louisiana	166.1	188.7	144.6	127.7	145.9	110.0	246.9	280.6	215.8				
Massachusetts	178.2	169.3	186.4	--	--	--	--	--	--				
New Hampshire	175.2	170.6	179.6	176.0	171.1	180.7	--	--	--				
New Jersey	103.3	104.3	102.3	87.1	87.4	86.8	186.0	188.0	184.1				
North Carolina	210.1	207.5	212.6	172.0	171.2	173.0	321.8	316.1	326.7				
Oregon	112.7	117.9	107.6	112.5	116.7	108.3	105.3	--	--				
Rhode Island	115.9	112.3	119.4	109.9	107.5	111.9	--	--	--				
Vermont	165.4	147.2	183.0	165.8	147.2	183.9	--	--	--				

<sup>1</sup> Includes 4 persons with sex not stated.

<sup>2</sup> Includes 3 persons with sex not stated.

<sup>3</sup> Includes 1 person with sex not stated.

**TABLE 22. Total on register by age: each MRA State and MRA total, as of December 31, 1963 (number and rate)**

State	Total, all ages	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
	Number								
MRA total.....	43, 362	330	4, 553	6, 960	11, 424	7, 406	7, 432	4, 554	703
Connecticut.....	3, 346	21	475	502	758	584	555	403	48
Kansas.....	3, 158	14	264	407	687	484	755	503	44
Louisiana.....	5, 673	34	497	1, 106	2, 199	1, 014	546	227	50
Massachusetts.....	9, 435	81	932	1, 331	2, 093	1, 782	1, 775	1, 113	328
New Hampshire.....	1, 128	6	139	120	235	183	240	185	20
New Jersey.....	6, 773	70	935	1, 065	1, 804	1, 135	986	591	187
North Carolina.....	10, 057	86	889	1, 793	2, 720	1, 606	1, 891	1, 065	7
Oregon.....	2, 088	4	245	327	503	329	401	268	11
Rhode Island.....	1, 034	10	125	192	266	193	150	92	6
Vermont.....	670	4	52	117	159	96	133	107	2



TABLE 22. Total on register by age: each MRA State and MRA total, as of December 31, 1963  
(number and rate)—Continued

State	Total, all ages	Under 5	5-19	20-44	45-64	65-74	75-84	85 and over	Unknown
Rate per 100,000 estimated population									
MRA total-----	150.7	10.3	58.6	75.0	195.4	416.1	996.2	2,919.2	
Connecticut-----	123.2	7.0	69.3	55.8	132.5	333.7	792.9	--	
Kansas-----	142.4	5.6	44.4	59.1	156.5	316.3	1,006.7	--	
Louisiana-----	166.1	7.7	48.0	104.1	354.1	600.0	780.0	--	
Massachusetts-----	178.2	14.4	70.0	79.7	183.4	464.1	1,062.9	3,091.7	
New Hampshire-----	175.2	8.6	81.3	60.9	174.1	397.8	--	--	
New Jersey-----	103.3	10.1	57.6	48.4	126.2	272.2	624.1	1,906.5	
North Carolina-----	210.1	15.6	60.3	113.1	321.5	726.7	2,124.7	--	
Oregon-----	112.7	2.1	47.8	58.3	128.6	261.1	716.1	--	
Rhode Island-----	115.9	10.8	55.3	66.2	139.3	316.4	576.9	--	
Vermont-----	165.4	8.9	45.2	99.2	196.3	342.9	--	--	

**TABLE 23. Total on register by degree of vision: each MRA State and MRA total, as of December 31, 1963  
(number and percent)**

State	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	Number					Field restriction	Unknown
						10/200 but less than 20/200	20/200	5/200 but less than 10/200	10/200 but less than 20/200			
MRA total.....	43, 362	5, 327	5, 110	438	6, 899	4, 350	6, 337	8, 688	2, 510	3, 703		
Connecticut.....	3, 346	364	291	72	490	279	252	515	158	925		
Kansas.....	3, 158	518	361	42	421	371	604	688	126	27		
Louisiana.....	5, 673	852	748	39	1, 136	419	776	981	566	156		
Massachusetts.....	9, 435	866	868	57	1, 523	1, 039	1, 755	2, 063	560	704		
New Hampshire.....	1, 128	113	117	12	237	77	147	246	100	79		
New Jersey.....	6, 773	938	1, 047	83	777	960	902	1, 269	375	422		
North Carolina.....	10, 057	1, 152	1, 156	120	1, 696	795	1, 431	2, 187	356	1, 164		
Oregon.....	2, 088	304	293	1	353	264	261	463	148	1		
Rhode Island.....	1, 034	125	136	4	158	103	112	162	60	174		
Vermont.....	670	95	93	8	108	43	97	114	61	51		

TABLE 23. Total on register by degree of vision: each MRA State and MRA total, as of December 31, 1963  
(number and percent)—Continued

State	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 but less than 10/200	10/200 but less than 20/200	20/200	Field restriction	Unknown
Percent										
MRA total	100.0	12.3	11.8	1.0	15.9	10.0	14.6	20.0	5.8	8.5
Connecticut	100.0	10.9	8.7	2.2	14.6	8.3	7.5	15.4	4.7	27.6
Kansas	100.0	16.4	11.4	1.3	13.3	11.7	19.1	21.8	4.0	.9
Louisiana	100.0	15.0	13.2	.7	20.0	7.4	13.7	17.3	10.0	2.7
Massachusetts	100.0	9.2	9.2	.6	16.1	11.0	18.6	21.9	5.9	7.5
New Hampshire	100.0	10.0	10.4	1.1	21.0	6.8	13.0	21.8	8.9	7.0
New Jersey	100.0	13.8	15.5	1.2	11.5	14.2	13.3	18.7	5.5	6.2
North Carolina	100.0	11.5	11.5	1.2	16.9	7.9	14.2	21.7	3.5	11.6
Oregon	100.0	14.6	14.0	0.0	16.9	12.6	12.5	22.2	7.1	0.0
Rhode Island	100.0	12.1	13.2	.4	15.3	10.0	10.8	15.7	5.8	16.8
Vermont	100.0	14.2	13.9	1.2	16.1	6.4	14.5	17.0	9.1	7.6

**TABLE 24. Total on register by sex, race and degree of vision: MRA total, as of December 31, 1963 (number and percent)**

Sex and race	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	Number				20/200	Field restriction	Unknown
						5/200 but less than 10/200	10/200 but less than 20/200					
Total	143, 362	5, 327	5, 110	438	2 6, 899	4, 350	2 6, 337	2 8, 688	2, 510			2 3, 703
Male	21, 197	2, 744	2, 404	207	3, 332	2, 114	2, 957	4, 235	1, 446			1, 758
Female	22, 161	2, 583	2, 706	231	3, 566	2, 236	3, 379	4, 452	1, 064			1, 944
White	28, 206	3, 337	3, 321	312	4, 347	2, 875	4, 055	5, 721	1, 559			2, 679
Male	13, 962	1, 757	1, 593	150	2, 121	1, 436	1, 928	2, 806	911			1, 260
Female	14, 244	1, 580	1, 728	162	2, 226	1, 439	2, 127	2, 915	648			1, 419
Nonwhite	8, 425	1, 338	1, 188	89	1, 573	716	1, 008	1, 427	617			469
Male	4, 239	669	563	41	807	363	508	707	348			233
Female	4, 186	669	625	48	766	353	500	720	269			236
Unknown	1 6, 731	652	601	37	2 979	759	2 1, 274	2 1, 540	334			2 555
Male	2, 996	318	248	16	404	315	521	722	187			265
Female	3, 731	334	353	21	574	444	752	817	147			289



TABLE 24. Total on register by sex, race and degree of vision: MRA total, as of December 31, 1963  
(number and percent)—Continued

Sex and race	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 but less than 10/200	10/200 but less than 20/200	20/200	Field restriction	Unknown
	Percent									
Total-----	1 100.0	12.3	11.8	1.0	2 15.9	10.0	2 14.6	2 20.0	5.8	2 8.5
Male-----	100.0	12.9	11.3	1.0	15.7	10.0	14.0	20.0	6.8	8.3
Female-----	100.0	11.7	12.2	1.0	16.1	10.1	15.2	20.1	4.8	8.8
White-----	100.0	11.8	11.8	1.1	15.4	10.2	14.4	20.3	5.5	9.5
Male-----	100.0	12.6	11.4	1.1	15.2	10.3	13.8	20.1	6.5	9.0
Female-----	100.0	11.1	12.1	1.1	15.6	10.1	14.9	20.5	4.5	10.0
Nonwhite-----	100.0	15.9	14.1	1.1	18.7	8.5	12.0	16.9	7.3	5.6
Male-----	100.0	15.8	13.3	1.0	19.0	8.6	12.0	16.7	8.2	5.5
Female-----	100.0	16.0	14.9	1.1	18.3	8.4	11.9	17.2	6.4	5.6

<sup>1</sup> Includes 4 persons with sex not stated.

<sup>2</sup> Includes 1 person with sex not stated.

TABLE 25. Total on register by age and degree of vision: MRA total as of December 31, 1963  
(number and percent)

Age	Total	Absolute blindness	Light perception	Light projection	Less than 5/200	5/200 but less than 10/200	10/200 but less than 20/200	20/200	Field restriction	Unknown
Number										
Total, all ages	43,362	5,327	5,110	438	6,899	4,350	6,337	8,688	2,510	3,703
Under 5	330	84	55	9	12	5	17	12	—	136
5-19	4,553	808	653	35	365	255	561	1,061	66	749
20-44	6,960	859	774	61	929	653	1,059	1,630	464	531
45-64	11,424	1,487	1,382	112	2,052	1,182	1,550	2,107	962	590
65-74	7,406	859	908	75	1,377	836	1,036	1,373	472	470
75-84	7,432	779	805	85	1,283	854	1,223	1,450	361	592
85 and over	4,554	405	474	56	789	495	727	888	145	575
Unknown	703	46	59	5	92	70	164	167	40	60
Percent										
Total, all ages	100.0	12.3	11.8	1.0	15.9	10.0	14.6	20.0	5.8	8.5
Under 5	100.0	25.5	16.7	2.7	3.6	1.5	5.2	3.6	0	41.2
5-19	100.0	17.7	14.3	.8	8.0	5.6	12.3	23.3	1.4	16.5
20-44	100.0	12.3	11.1	.9	13.3	9.4	15.2	23.4	6.7	7.6
45-64	100.0	13.0	12.1	1.0	18.0	10.3	13.6	18.4	8.4	5.2
65-74	100.0	11.6	12.3	1.0	18.6	11.3	14.0	18.5	6.4	6.3
75-84	100.0	10.5	10.8	1.1	17.3	11.5	16.5	19.5	4.9	8.0
85 and over	100.0	8.9	10.4	1.2	17.3	10.9	16.0	19.5	3.2	12.6

**TABLE 26. Removals from register by reason for removal: each MRA State and MRA total, 1963 (number and percent)**

State	Total	Death	Left State	Sight restored	Unable to locate	Other
	Number					
MRA total.....	3, 026	1, 894	283	549	220	80
Connecticut.....	145	96	25	3	9	12
Kansas.....	317	176	40	72	27	2
Louisiana.....	65	25	4	36	--	--
Massachusetts....	604	519	48	19	5	13
New Hampshire....	67	52	7	8	--	--
New Jersey.....	310	133	47	96	23	11
North Carolina...	1, 154	672	68	267	145	2
Oregon.....	120	78	18	21	2	1
Rhode Island.....	85	71	9	3	2	--
Vermont.....	159	72	17	24	7	39
	Percent					
MRA total.....	100. 0	62. 6	9. 4	18. 1	7. 3	2. 6
Connecticut.....	100. 0	66. 2	17. 2	2. 1	6. 2	8. 3
Kansas.....	100. 0	55. 5	12. 6	22. 7	8. 5	. 6
Louisiana.....	100. 0	38. 5	6. 2	55. 4	0	0
Massachusetts....	100. 0	85. 9	7. 9	3. 1	. 8	2. 2
New Hampshire....	100. 0	77. 6	10. 4	11. 9	0	0
New Jersey.....	100. 0	42. 9	15. 2	31. 0	7. 4	3. 5
North Carolina...	100. 0	58. 2	5. 9	23. 1	12. 6	. 2
Oregon.....	100. 0	65. 0	15. 0	17. 5	1. 7	. 8
Rhode Island.....	100. 0	83. 5	10. 6	3. 5	2. 4	0
Vermont.....	100. 0	45. 3	10. 7	15. 1	4. 4	24. 5

## NOTES



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HV1580 Model Reporting Area c.3  
M72 for Blindness Statistics.  
St29 1963 STATISTICAL REPORT.  
1963 (1965)

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